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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)	Attorney Docket Number	ID00014US
	First Named Inventor	PARKER, N. WILLIAM
	COMPLETE IF KNOWN	
	Application Number	/
	Filing Date	11/23/2000
<input type="checkbox"/> Declaration Submitted with Initial Filing	OR	<input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)
	Group Art Unit	
Examiner Name		

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Electron Optics for Multi-Beam Electron
Beam Lithography Tool

(Title of the invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 11/23/2000 as United States Application Number or PCT International
Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/>		Customer Number or Bar Code Label	<input type="checkbox"/>		OR <input checked="" type="checkbox"/>	Correspondence address below	
Name JOHN MACAULAY, ION DIAGNOSTICS, INC.							
Address 2238 MARTIN AVE.							
City SANTA CLARA		State CA		ZIP 95050			
Country USA		Telephone (408) 855 8400		Fax X105			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))		N. WILLIAM		Family Name or Surname		PARKER	
Inventor's Signature		N William Parker			Date 04/10/01		
Residence: City		FAIRFIELD		State CA		Country USA Citizenship US	
Mailing Address 2611 BURRELL DRIVE							
City		FAIRFIELD		State CA		ZIP 94533 Country USA	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))		ALAN D.		Family Name or Surname		BRODIE	
Inventor's Signature		Alan D. Brodie			Date 8/9/01		
Residence: City		PALO ALTO		State CA		Country USA Citizenship US	
Mailing Address 998 VAN AUKEN CIRCLE							
City		PALO ALTO		State CA		ZIP 94303 Country USA	
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>1</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

Please type a plus sign (+) inside this box → ☐

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
GEORGE XINSHENG		GUO	
Inventor's Signature <i>George X. Guo</i>		Date <u>4/10/2001</u>	
Residence: City <u>LOS ALTOS HILLS</u>	State <u>CA</u>	Country <u>USA</u>	Citizenship <u>US</u>
Mailing Address			
Mailing Address <u>25745 BASSETT LANE</u>			
City <u>LOS ALTOS HILLS</u>	State <u>CA</u>	ZIP <u>94022</u>	Country <u>USA</u>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
EDWARD M.		YIN	
Inventor's Signature <i>Edward M. Yin</i>		Date <u>4/13/2001</u>	
Residence: City <u>CUPERTINO</u>	State <u>CA</u>	Country <u>USA</u>	Citizenship <u>US</u>
Mailing Address			
Mailing Address <u>11249 PALOS VERDES CT.</u>			
City <u>CUPERTINO</u>	State <u>CA</u>	ZIP <u>95014</u>	Country <u>USA</u>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
MICHAEL C.		MATTER	
Inventor's Signature <i>Michael C. Matter</i>		Date <u>4/9/01</u>	
Residence: City <u>SUNNYVALE</u>	State <u>CA</u>	Country <u>USA</u>	Citizenship <u>US</u>
Mailing Address			
Mailing Address <u>1341 BELLEVILLE WAY</u>			
City <u>SUNNYVALE</u>	State <u>CA</u>	ZIP <u>94087</u>	Country <u>USA</u>

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



UNITED STATES
PATENT AND
TRADEMARK OFFICE

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FEB 12 2002

PILLSBURY WINTHROP LLP

FEBRUARY 06, 2002

PTAS

Under Secretary of Com
Director of the United

58884-027-5130

www.uspto.gov

PILLSBURY WINTHROP LLP
DAVID H. JAFFER
2550 HANOVER STREET
PALO ALTO, CA 94304



101921816A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/30/2001

REEL/FRAME: 012367/0431

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PARKER, NORMAN WILLIAM

DOC DATE: 04/10/2001

ASSIGNOR:

BRODIE, ALAN D.

DOC DATE: 08/09/2001

ASSIGNOR:

GUO, GEORGE XINSHENG

DOC DATE: 04/10/2001

ASSIGNOR:

YIN, EDWARD M.

DOC DATE: 04/13/2001

ASSIGNOR:

MATTER, MICHAEL C.

DOC DATE: 04/09/2001

ASSIGNEE:

ION DIAGNOSTICS, INC.
2238 MARTIN AVENUE
SANTA CLARA, CALIFORNIA 95050

012367/0431 PAGE 2

SERIAL NUMBER: 09722079
PATENT NUMBER:

FILING DATE: 11/23/2000
ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

- 19-2001

Packet No.: 58884-027-5130 IDO-14US

FORM PTO-1595 (Modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
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PLS/REV02



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

NLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Parker, Norman William
Brodie, Alan D.
Gu, George Xinsheng
Yin, Edward M.
Matter, Michael C.

10/30/01

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Ion Diagnostics, Inc.

Internal Address: _____

OCT 30 2001

Street Address: 2238 Martin Avenue

City: Santa Clara State: CA ZIP: 95050

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 4-10-01, 8-9-01, 4-10-01, 4-13-01, 4-9-01

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

09/722,079

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: DAVID H. JAFFER

Internal Address: PILLSBURY WINTHROP LLP

12/18/2001 6TOM11 00000163 033975 09722079

01 FC:581 40.00 CH

Street Address: 2550 HANOVER STREET

City: PALO ALTO State: CA ZIP: 94304

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
☒ Authorized to be charged to deposit account

8. Deposit account number:

03,3975

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

DAVID H. JAFFER/REG. NO. 32,243

Name of Person Signing

Signature

2

Date

Total number of pages including cover sheet, attachments, and document:

10-29-01

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ASSIGNMENT OF APPLICATION

Docket Number ID0014US

Whereas, the undersigned:

1. Parker, Norman William
2611 Burrell Drive
Fairfield, CA 94533

2. Brodie, Alan D.
998 Van Auken Circle
Palo Alto, CA 94303

3. Guo, George **XINSHENG**
25745 Bassett Lane
Los Altos Hills, CA 94022

4. Yin, Edward M.
11249 Palos Verdes Ct.
Cupertino, CA 95014

5. Matter, Michael C.
1341 Belleville Way
Sunnyvale, CA 94087

hereinafter termed "Inventors", have invented certain new and useful improvements in

Electron Optics For Multi-Beam Electron Beam Lithography Tool

- ☐ for which an application for United States Patent was filed on November 23, 2000 Application No. 09/722,079
☒ for which an application for a United States Patent was executed on 11232000, and

WHEREAS, Ion Diagnostics, Inc., a corporation of the State of CA, having a place of business at 2238 Martin Ave., Santa Clara, CA 95050, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date: 04/10/2001N William ParkerDate: 08/09/2001Alan D. BrodieDate: 04/10/2001Xinsheng GuoDate: 04/13/2001Edward M. YinDate: 04/09/2001Michael C. Matter



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PATENT AND
TRADEMARK OFFICE

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PILLSBURY WINTHROP LLP

58884-027-5129

FEBRUARY 06, 2002

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Director of the United States

- 3378

- 5130

PILLSBURY WINTHROP, LLP
DAVID H. JAFFER
2550 HANOVER STREET
PALO ALTO, CA 94304

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RECORDATION DATE: 10/30/2001

REEL/FRAME: 012367/0322

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ION DIAGNOSTICS, INC.

DOC DATE: 08/14/2001

ASSIGNEE:

MULTIBEAM SYSTEMS, INC.

2238 MARTIN AVENUE

SANTA CLARA, CALIFORNIA 95050

SERIAL NUMBER: 09543265

PATENT NUMBER:

FILING DATE: 04/05/2000

ISSUE DATE:

SERIAL NUMBER: 09543283

PATENT NUMBER:

FILING DATE: 04/05/2000

ISSUE DATE:

SERIAL NUMBER: 09722079

PATENT NUMBER:

FILING DATE: 11/23/2000

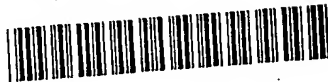
ISSUE DATE:

012367/0322 PAGE 2

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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12-19-2001



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cket No.: 58884-IDO 10, -11, -14 US

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

ION DIAGNOSTICS, INC.

10/30/01

2. Name and address of receiving party(ies):

Name: Multibeam Systems, Inc.

Internal Address: _____

OCT 30 2001

Street Address: 2238 Martin Avenue

City: Santa Clara State: CA ZIP: 95050

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other _____

Execution Date: August 14, 2001

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/543,265

09/543,283

09/722,079

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: DAVID H. JAFFER

Internal Address: PILLSBURY WINTHROP LLP

12/18/2001 6TON11 00000161 033975 09543265

01 FC:581 120.00 CH

Street Address: 2550 HANOVER STREET

City: PALO ALTO State: CA ZIP: 94304

6. Total number of applications and patents involved:

3

7. Total fee (37 CFR 3.41):.....\$ 120.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

03,3975

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

DAVID H. JAFFER/REG. NO. 32,243

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

4

PATENT ASSIGNMENT

WHEREAS, Ion Diagnostics, Inc., a California Corporation, with its principal place of business at 2238 Martin Avenue, Santa Clara, CA 95050, USA (hereinafter referred to as "Assignor"), is the owner of record of an undivided one half right, title and interest in and to the patents, patent applications, disclosures and/or inventions identified in Schedule A attached hereto (the "Patents").

WHEREAS, Multibeam Systems, Inc., a Delaware Corporation, with its principal place of business at 2238 Martin Avenue, Santa Clara, CA 95050, USA (hereinafter referred to as "Assignee") is desirous of acquiring Assignor's entire right, title and interest in and to the Patents granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee its entire right, title and interest in and to the Patents in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisional applications, reissues, continuations, continuations-in-part and reexaminations thereof, including, without limitation, the right to file foreign applications directly in the name of the Assignee, and the right to sue for past infringements, to be held and enjoyed by the Assignee and its successors and assigns for its use and benefit and of its successors and assigns as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment, transfer and sale not been

made. Assignor agrees to execute all instruments and documents required for the making and prosecution of applications and Patents for the United States and any foreign Patents on the inventions, for litigation regarding the Patents, or for the purpose of protecting title to the Patents therefor.

Dated effective as of: August 14, 2001

Assignor:

ION DIAGNOSTICS, INC.

N. William Parker

By

Name: N. William Parker

Title: President

Schedule A

Title	Application Number	Filing Date
PRECISION STAGE	09/543265	04/05/2000
FLEXURAL JOINT	09/543283	04/05/2000
ELECTRON OPTICS FOR MULTI-BEAM ELECTRON LITHOGRAPHY TOOL	09/722079	11/23/2000



UNITED STATES
PATENT AND
TRADEMARK OFFICE

FEBRUARY 06, 2002

PTAS

PILLSBURY WINTHROP LLP
DAVID H. JAFFER
2550 HANOVER STREET
PALO ALTO, CA 94304

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
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RECORDATION DATE: 10/30/2001

REEL/FRAME: 012367/0346
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
ION DIAGNOSTICS, INC.

DOC DATE: 08/10/2001

ASSIGNEE:
MOTOROLA, INC.
1303 E. ALGONQUIN ROAD
SCHAUMBURG, ILLINOIS 60196

SERIAL NUMBER: 09543265
PATENT NUMBER:

FILING DATE: 04/05/2000
ISSUE DATE:

SERIAL NUMBER: 09543283
PATENT NUMBER:

FILING DATE: 04/05/2000
ISSUE DATE:

SERIAL NUMBER: 09722079
PATENT NUMBER:

FILING DATE: 11/23/2000
ISSUE DATE:

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FEB 12 2002

PILLSBURY WINTHROP LLP

58884-021-5129

- 3378, 802-5130

012367/0346 PAGE 2

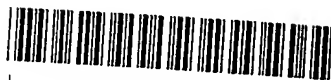
TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

12-19-2001

Docket No.: 58884-IDO10, 11, 14US

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



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101921815

To the Honorable Commissioner of Patents and Trademarks: Please return the attached original documents or copy thereof.

1. Name of conveying party(ies):

ION DIAGNOSTICS, INC.

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: August 10, 2001

2. Name and address of receiving party(ies):

Name: MOTOROLA, INC.

Internal Address:

OCT 30 2001

Street Address: 1303 E. Algonquin Road

City: Schaumburg State: IL ZIP: 60196

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/543,265
09/543,283
09/722,079

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: DAVID H. JAFFER

Internal Address: PILLSBURY WINTHROP LLP

12/18/2001 610N11 00000162 033975 09543265

01 FC:581 120.00 CH

Street Address: 2550 HANOVER STREET

City: PALO ALTO State: CA ZIP: 94304

6. Total number of applications and patents involved:

3

7. Total fee (37 CFR 3.41):.....\$ 120.00

- ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
☒ Authorized to be charged to deposit account

8. Deposit account number:

03,3975

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

DAVID H. JAFFER/REG. NO. 32,243

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and document:

EXHIBIT D
ASSIGNMENT

WHEREAS, ION DIAGNOSTICS, INC., a California corporation, with its principal place of business at 2238 Martin Avenue, Santa Clara, California 95050 (hereinafter referred to as "Assignor"), is the owner of record of the following patent applications:

U.S. Application No. 09/543,265
Filed 05 April 2000
Precision stage

U.S. Application No. 09/543,283
Filed 05 April 2000
Flexural joint

U.S. Application No. 09/722,079
Filed 23 Nov. 2000
Electron optics for multi-beam electron lithography tool

WHEREAS, MOTOROLA INC., a Delaware corporation having an office at 1303 E. Algonquin Road, Schaumburg, Illinois 60196 (hereinafter referred to as "Assignee") is desirous of acquiring an undivided one half right, title and interest in and to the inventions and in and to the above referenced patent applications, and any Letters Patent granted for the invention, in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to the Assignees an undivided one half right, title and interest in and to the inventions, the above referenced patent applications, and any Letters Patent granted for the inventions, in the United States of America and its territorial possessions and in any and all foreign countries, including any and all divisional applications, renewals, extensions,

provisionals, continuations, PCT applications and international and foreign filings thereof, including the right to file foreign applications directly in the name of the Assignees, and all above referenced patent applications and Letters Patent on the inventions to be jointly held and enjoyed by the Assignors and the Assignees, and their respective successors and assigns for their use and benefit, and for the use and benefit of their successors and assigns. Assignor agrees to execute all instruments and documents required for the making and prosecution of applications and Letters Patent for the United States and any foreign Patent on the inventions, for litigation regarding the Letters Patent, or for the purpose of protecting title to the invention or Letters Patent therefor.

ION DIAGNOSTICS, INC.

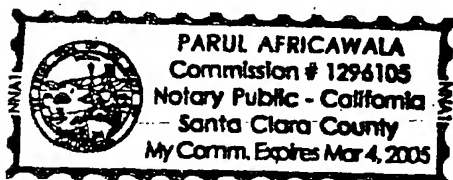
Name: N William Parker

Signature: N WILLIAM PARKER

Date: 8-10-01

Dated effective as of:

SUBSCRIBED and SWORN to before me this 10th day of August 2001.



Notary Public

Parul Africawala

My Commission Expires: